

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
<b>System 1: RAW MATERIAL PREPARATION SYSTEM (RMPS)</b>					
HAMMERMILL, LEAD ACID BATTERY A/N: 374198	D1	C165		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, BELT, HAMMERMILL FEED A/N: 374198	D2	C165		PM: (9) [RULE 405, 2-7-1986]	D323.1
TANK, HOLDING, MUD A/N: 374198	D3	C165		PM: (9) [RULE 405, 2-7-1986]	
TANK, HOLDING, MUD A/N: 374198	D4	C165		PM: (9) [RULE 405, 2-7-1986]	
TANK, HOLDING, MUD A/N: 374198	D5	C165		PM: (9) [RULE 405, 2-7-1986]	
SCRUBBER, PACKED BED, MAPCO, MODEL MW-100-24, WITH 2 FT PACKING, 4 IN THICK MESH PAD, CHEVRON TYPE MIST ELIMINATOR, 40 HP BLOWER, WIDTH: 11 FT 2 IN; HEIGHT: 8 FT 3 IN; LENGTH: 15 FT A/N:	C165	D1 D2 D3 D4 D5 C172 C175		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C8.4, D12.12, D323.1, H116.3
FILTER, HEPA, WITH 16 HEPA FILTERS, MIDWEST AIR PRODUCTS, MODEL MW-100-24, EACH 2 FT W. X 2 FT L. X 11.5 INCHES THICK A/N:	C172	C165 S166		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.14, D323.1, H116.3
STACK, HEIGHT: 65 FT ; DIAMETER: 3 FT 8 IN A/N:	S166	C172		PM: (9) [RULE 404, 2-7-1986]	D381.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
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<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
ENCLOSURE, BUILDING, RAW MATERIAL PREPARATION SYSTEM, 125 FT W. X 329 FT L. X 75 FT H., APPROXIMATE DIMENSIONS A/N: 500783	C175	C156 C157 C165		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	E448.2
<b>System 2: FEED DRYING SYSTEM</b>					
HOPPER, DRYER FEED A/N: 374176	D109	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, DRYER FEED, BACKUP A/N: 374176	D110	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, SCAVENGER A/N: 374176	D111	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, BELT, APRON TYPE A/N: 374176	D112	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, BACKUP A/N: 374176	D151	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, BELT, WEIGHING A/N: 374176	D113	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, DRYER CHARGING A/N: 374176	D114	C143		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

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(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
DRYER, ROTARY, NATURAL GAS, FEED DRYING, 8 MMBTU/HR A/N: 374176	D115	C143	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.005 LBS/TON MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	B295.1, C6.1, D12.8, D323.1, H116.2, K67.10
CONVEYOR, SCREW, DRYER DISCHARGE A/N: 374176	D116	C143		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CYCLONE, HEIGHT: 17 FT 7 IN; DIAMETER: 5 FT 10 IN A/N:	C143	D114 D115 D116 C144		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
BAGHOUSE, WITH 100-H.P. BLOWER, WITH EXPANDED TEFLON MEMBRANE BAGS WITH TEFLON SUBSTRATES, 5881 SQ.FT.; 312 BAGS A/N:	C144	C143 S145		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.2, D12.5, D12.6, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2
INJECTOR, SIDEWALL WATER SPRAY, WITH 2 FLAMEX F180 NOZZLES, WITH SPARK ARRESTOR CONTROLLER, FLAMEX FMZ4100GAB24, A BATTERY BACK-UP, 8 FUX 3001-E OPTICAL IR SPARK DETECTORS A/N:	B176				E448.6

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(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
STACK, HEIGHT: 69 FT ; DIAMETER: 3 FT A/N:	S145	C144			D381.1
ENCLOSURE, BUILDING, ROTARY DRYER FURNACE, 15 FT W. X 45 FT L. X 17 FT H., APPROXIMATE DIMENSIONS A/N: 501059	C177	C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	E448.3
<b>System 3: LEAD SMELTING SYSTEM</b>					
FEEDER, RAM TYPE A/N: 374176	D117	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, RAM TYPE A/N: 374176	D118	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
FURNACE, REVERBATORY, NATURAL GAS, LEAD ACID BATTERY SCRAP, 30 MMBTU/HR A/N: 374176	D119	C38 C39 D135	NOX: MAJOR SOURCE**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.022 GRAINS/SCF (8A) [40CFR 60 Subpart L, 12-3-1976]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 3.47 PPMV (3) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B59.1, B163.1, C1.3, C1.4, C303.1, D12.2, D12.3, D12.4, D12.8, D323.1, H116.2, K67.11
TAPPING PORT, LEAD A/N: 374176	D120	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
LAUNDER, LEAD, REVERB TAP A/N: 374176	D121	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

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(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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LAUNDER, LEAD, REVERB TAP A/N: 374176	D122	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
LAUNDER, LEAD, REVERB TAP A/N: 374176	D123	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
TAPPING PORT, LEAD SLAG A/N: 374176	D124	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
FUGITIVE EMISSIONS, MISCELLANEOUS, SLAG HANDLING SYSTEM A/N: 374176	D125	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 4: LEAD SLAG PROCESSING SYSTEM</b>					
HOPPER, WEIGH, CUPOLA FURNACE FEED A/N: 374225	D126	C48		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, CUPOLA FURNACE FEED, EMERGENCY A/N: 374225	D127			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
FURNACE, CUPOLA, COKE, NATURAL GAS, LEAD SLAG AND LEAD ACID BATTERY SCRAP, 4 MMBTU/HR A/N: 374225	D128	C38 C39 C44	NOX: MAJOR SOURCE**, SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.022 GRAINS/SCF (8A) [40CFR 60 Subpart L, 12-3-1976]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 3.47 PPMV (3) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B59.2, B163.2, C1.2, D323.1, H116.2, K67.5

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(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
TAPPING PORT, LEAD A/N: 374225	D129	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
LAUNDER, LEAD, CUPOLA TAP A/N: 374225	D130	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
LAUNDER, LEAD, CUPOLA TAP A/N: 374225	D131	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
TAPPING PORT, LEAD SLAG A/N: 374225	D132	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
FUGITIVE EMISSIONS, MISCELLANEOUS, CUPOLA FURNACE THIMBLE A/N: 374225	D133	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 5: LEAD METAL REFINING SYSTEM</b>					

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(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 1, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 496437	D7	C38 C39 C46 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 496437	D8	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

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(2) (2A) (2B) Denotes RECLAIM emission rate  
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<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 2, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 496438	D9	C38 C39 C46 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 496438	D10	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

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FURNACE, POT, NO. 3, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 496420	D11	C38 C39 C46 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 496420	D12	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 4, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 496421	D13	C38 C39 C46 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 496421	D14	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 5, NATURAL GAS, SPECIALTY LEAD, 2.5 MMBTU/HR A/N: 496423	D15	C38 C39 C46 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 496423	D16	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, A, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 496424	D17	C38 C39 C46 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 496424	D18	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements  
\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, B, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 496425	D19	C38 C39 C46 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 496425	D20	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 6, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 496426	D24	C38 C39 C47 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.017 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 496426	D25	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 7, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 496428	D26	C38 C39 C47 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.017 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 496428	D27	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 8, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 496429	D28	C38 C39 C47 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.017 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 496429	D29	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 9, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 496432	D30	C38 C39 C47 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.017 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 496432	D31	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, G, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 496433	D32	C38 C39 C47 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 496433	D33	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements  
\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, E, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 496434	D34	C38 C39 C47 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 496434	D35	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements  
\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, F, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 496435	D36	C38 C39 C47 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 496435	D37	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 6: FUGITIVE DUST CONTROL SYSTEM</b>					

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
BAGHOUSE, WITH 208 CARTRIDGE FILTERS, EACH 1 FT.-2 IN. DIA. X 2 FT.-2IN. L., NORTH TORIT, MODEL DFT-4-208, MODEL HIGH EFFICIENCY CARTRIDGE TYPE, WITH A 250 HP BLOWER AND A TRIBOELECTRIC-TYPE BROKEN BAG DETECTOR A/N:	C38	D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D24 D25 D26 D27 D28 D29 D30 D31 D32 D33 D34 D35 D36 D37 D117 D118 D119 D120 D121 D122 D123 D124 D125 D128 D129 D130 D131 D132 D133 C179		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.1, D12.17, D381.1, E71.2, E71.3, E102.1, E193.1, H116.2, H116.4, K67.1
BAGHOUSE, WITH 208 CARTRIDGE FILTERS, EACH 1 FT.-2 IN. DIA. X 2 FT.-2IN. L., SOUTH TORIT, HIGH EFFICIENCY CARTRIDGE TYPE, MODEL DFT-4-208, WITH A 250 HP BLOWER AND A TRIBOELECTRIC-TYPE BROKEN BAG DETECTOR A/N:	C39	D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D24 D25 D26 D27 D28 D29 D30 D31 D32 D33 D34 D35 D36 D37 D117 D118 D119 D120 D121 D122 D123 D124 D125 D128 D129 D130 D131 D132 D133 C179		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.1, D12.17, D381.1, E71.2, E71.3, E102.1, E193.1, H116.2, H116.4, K67.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
ENCLOSURE, BUILDING, SMELTING AND REFINING, 140 FT W. X 500 FT L. X 25 FT H., APPROXIMATE DIMENSIONS A/N: 501056	C179	C38 C39		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	E448.2
ENCLOSURE, BUILDING, SOUTH CORRIDOR, 45 FT W. X 140 FT L. X 25 FT H., APPROXIMATE DIMENSIONS A/N: 501056	C182	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	E448.3
<b>System 7: REVERBERATORY AND CUPOLA FURNACE APCS</b>					
TOWER, QUENCH CHAMBER, WATER SPRAY TYPE, HEIGHT: 61 FT ; DIAMETER: 10 FT WITH A/N: 374231	D135	D119 D136		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
FUGITIVE EMISSIONS, MISCELLANEOUS, QUENCH CHAMBER CLEANOUT DOOR	D149	C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
HEAT EXCHANGER, REVERB FURNACE EXHAUST GAS, A-PIPE TYPE, 49 IN. OUTSIDE DIA., 130 FT. TOTAL LENGTH A/N: 374231	D136	D135 D137		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
HEAT EXCHANGER, ,BALLOON TYPE FLUE COOLER, SECTION 1, REVERB FURNACE EXHAUST GAS, 66 IN. W., 48 FT. L., 9 FT. H. A/N: 374231	D137	D136 D138		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
HEAT EXCHANGER, ,BALLOON-TYPE FLUE COOLER, SECTION 2, REVERB FURNACE EXHAUST GAS, 48 IN. W., 66 FT. L., 6 FT. H. A/N: 374231	D138	C40 C41 D137		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
AFTERBURNER, NATURAL GAS, WITH 20 HP COMBUSTION AIR BLOWER AND A 250 HP EXHAUST BLOWER, 10 MMBTU/HR A/N: 374180	C44	C45 D128	NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C8.1, C8.8, D323.1, H116.2, K67.8
TANK, CUPOLA JACKET COOLING, THERMOSIPHON A/N: 374180	D134	D183			
HEAT EXCHANGER, CUPOLA FURNACE EXHAUST GAS, A-PIPE TYPE, 49 IN. OUTSIDE DIA., 130 FT. TOTAL LENGTH A/N: 374180	D183	D134 D173		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
HEAT EXCHANGER, U-TUBE COOLER, FIVE SECTION, WITH 2 HOPPERS, A TUBE BYPASS, A TUBE DAMPER VALVE, AND A HOPPER BY-PASS WITH A DAMPER A/N: 374180	D173	C174 D183		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
CYCLONE, DIAMETER: 4 FT 9 IN A/N: 374180	C174	C45 D173		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
BAGHOUSE, WITH EXPANDED TEFLON MEMBRANE BAGS WITH TEFLON SUBSTRATES, 21362 SQ.FT.; 510 BAGS A/N: 374231	C40	C42 D138		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.3, D12.5, D12.6, D12.11, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2
BAGHOUSE, WITH EXPANDED TEFLON MEMBRANE BAGS WITH TEFLON SUBSTRATES, 21362 SQ.FT.; 510 BAGS A/N: 374231	C41	C42 D138		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.3, D12.5, D12.6, D12.11, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2
BAGHOUSE, WITH EXPANDED TEFLON MEMBRANE BAGS WITH TEFLON SUBSTRATES, 22620 SQ.FT. A/N: 374180	C45	C42 C44 C174		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.3, D12.5, D12.6, D12.11, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2
SCRUBBER, VENTURI, HEIGHT: 13 FT 9 IN; DIAMETER: 4 FT A/N: 374180	C42	C40 C41 C43 C45		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]; ROG: (10) [40CFR 63 Subpart X, #01, 1-29-1999]	C8.2, C8.3, C8.5, C8.6, C8.7, D323.1, H116.2, K67.7

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
SCRUBBER, TRAY, WITH 450 HP BLOWER, HEIGHT: 30 FT 9 IN; DIAMETER: 8 FT 6 IN A/N: 374180	C43	C42 S139		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]; ROG: (10) [40CFR 63 Subpart X, #01, 1-29-1999]	C8.2, C8.3, C8.5, C8.6, C8.7, D323.1, H116.2, K67.7
STACK, COMMON TO REVERB AND CUPOLA, HEIGHT: 112 FT ; DIAMETER: 3 FT 7 IN A/N: 374231	S139	C43			A63.1, D82.1, D323.1, K67.9
<b>System 8: CUPOLA AND HARD LEAD REFINERY FURNACES APCS</b>					
BAGHOUSE, WITH 450 HP BLOWER, 64000 SQ.FT. A/N: 501060	C46	D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D129 D130 D131 D132 D133 S140 C177		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.6, D12.7, D12.10, D12.11, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.3
STACK, HEIGHT: 112 FT ; DIAMETER: 6 FT 11 IN A/N: INACTIVE	S140	C46			D381.1
<b>System 9: REVERBERATORY AND SOFT LEAD REFINERY FURNACES APCS</b>					
BAGHOUSE, WITH 450 HP BLOWER, 64000 SQ.FT. A/N: 374234	C47	D24 D25 D26 D27 D28 D29 D30 D31 D32 D33 D34 D35 D36 D37 D117 D118 D120 D121 D122 D123 D124 D125 S141 D149		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.6, D12.10, D12.11, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.3

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
STACK, HEIGHT: 112 FT ; DIAMETER: 6 FT 11 IN A/N: 374234	S141	C47			D381.1
<b>System 10: REVERB FURNACE FEED ROOM APCS</b>					
BAGHOUSE, NO. 1, MAC, MODEL 144MCF494, WITH A 150 HP BLOWER AND A BROKEN BAG DETECTOR, 14326 SQ.FT.; 494 BAGS A/N:	C156	D109 D110 D111 D112 D113 D151 S158 C175		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.4, D12.6, D12.7, D12.10, D12.16, D381.1, E102.1, H116.1, H116.4
BAGHOUSE, NO. 2, MAC, MODEL 144MCF494, WITH A 150 HP BLOWER AND A BROKEN BAG DETECTOR, 14326 SQ.FT.; 494 BAGS A/N:	C157	D109 D110 D111 D112 D113 D151 S158 C175		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.4, D12.6, D12.7, D12.10, D12.16, D381.1, E102.1, H116.1, H116.4
STACK, HEIGHT: 80 FT ; DIAMETER: 6 FT A/N:	S158	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D381.1
<b>System 11: CUPOLA FURNACE FEED ROOM APCS</b>					
CYCLONE, SPENCER, MODEL CH950CB-MOD, HEIGHT: 7 FT ; DIAMETER: 4 FT 2 IN A/N:	C159	C160 D161		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1, E102.1, H116.1
BAGHOUSE, CENTRAL VACUUM SYSTEM A, SPENCER, MODEL JH9600B8-M, WITH 75 HP BLOWER, 468 SQ.FT. A/N:	C160	C48 C159		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D381.2, E102.1, H116.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FLOOR SWEEP, 50 TOTAL A/N:	D161	C159		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
CYCLONE, SPENCER, MODEL CH942CB-MOD, HEIGHT: 6 FT ; DIAMETER: 3 FT 6 IN A/N:	C162	C163 D164		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1, E102.1, H116.3
BAGHOUSE, CENTRAL VACUUM SYSTEM B, SPENCER, MODEL JH9600B8-M, WITH 50 HP BLOWER, 468 SQ.FT. A/N:	C163	C48 C162		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D381.2, E102.1, H116.3
FLOOR SWEEP, 48 TOTAL A/N:	D164	C162		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
BAGHOUSE, WITH 300 HP BLOWER, 64000 SQ.FT. A/N:	C48	D126 S142 C160 C163		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.6, D12.10, D381.1, E102.1, H116.1, H116.2
STACK, HEIGHT: 112 FT ; DIAMETER: 7 FT A/N:	S142	C48			D381.1
<b>Process 3: WASTE HANDLING</b>					
<b>System 1: REVERBERATORY FURNACE DUST CONVEYING SYSTEM</b>					
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D58			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D59			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: WASTE HANDLING</b>					
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D60			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D61			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D62			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D63			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D64			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D65			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D66			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D67			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D68			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D69			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 2: CUPOLA FURNACE DUST CONVEYING SYSTEM</b>					

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: WASTE HANDLING</b>					
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D74			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D75			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D76			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D77			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D78			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D79			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D80			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D81			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D82			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 3: HARD LEAD DUST COLLECTING SYSTEM</b>					
CONVEYOR, SCREW, MUD, DUST, HARD LEAD A/N: 374247	D83			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: WASTE HANDLING</b>					
CONVEYOR, SCREW, MUD, DUST, HARD LEAD A/N: 374247	D84			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 4: SOFT LEAD DUST COLLECTING SYSTEM</b>					
CONVEYOR, SCREW, SOFT LEAD, DUST, MUD A/N: 374247	D85			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, SOFT LEAD, DUST, MUD A/N: 374247	D86			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, SOFT LEAD, DUST, MUD A/N: 374247	D87			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 5: CUPOLA FURNACE FEED ROOM DUST COLLECTING SYSTEM</b>					
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D88			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D89			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 6: REVERB FURNACE FEED ROOM DUST COLLECTING SYSTEM</b>					
CONVEYOR, SCREW, MUD, DUST A/N: 374225	D154			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374225	D155			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 7: SUMP SLURRY HANDLING SYSTEM</b>					
SUMP, SLURRY, DUST, MUD A/N: 374247	D90			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: WASTE HANDLING</b>					
SUMP, SLURRY, DUST, MUD A/N: 374247	D91			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 8: DUST TRANSFER CONVEYING SYSTEM</b>					
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D92			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D93			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D94			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D95			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 9: REVERBERATORY FURNACE FEEDER PIT SYSTEM</b>					
PUMP, MUD, DUST A/N: 374247	D96			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 10: KETTLE GALLERY SUMP SYSTEM</b>					
PUMP, MUD, DUST A/N: 374247	D152			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
PUMP, MUD, DUST A/N: 374247	D153			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 11: VEHICLE WASH SYSTEM</b>					

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: WASTE HANDLING</b>					
TRUCK WASHING STATION, VEVI, MODEL TW-2000, 11 FT-6 IN W. X 67 FT-1 IN L. X 3 FT-6 IN H., WITH A WASH BASIN, 11 FT-6 IN W. X 37 FT-0.5 IN L. X 3 FT-6 IN H. WITH A/N: 501061	D178			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	E448.5
ENCLOSURE, WASH STATION TUNNEL, 20 FT W. X 38 FT L. X 20 FT H. APPROXIMATE DIMENSIONS	C180			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	
<b>System 12: PORTABLE VACUUM SWEEPING SYSTEM</b>					
FLOOR SWEEP, WALK BEHIND VACUUM SWEEPER, LEAD ABATEMENT, TENNANT, MODEL 3640E, 1-HP ELECTRIC, 2 FT-8 IN W. X 4 FT- 8 IN L. X 3 FT-2 IN H., WITH A HEPA FILTER A/N: 501062	C181			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	E448.4, K171.3
<b>Process 4: BULK MATERIALS HANDLING AND PROCESSING</b>					
<b>System 1: BULK MATERIALS STORAGE SYSTEM</b>					
STORAGE SILO, NORTH, SODIUM CARBONATE, DUST, HEIGHT: 28 FT ; DIAMETER: 25 FT A/N: 374197	D97	C98		PM: (9) [RULE 405, 2-7-1986]	C1.1, D323.1
BAGHOUSE, FILTER VENT, 295 SQ.FT. A/N: 374197	C98	D97		PM: (9) [RULE 404, 2-7-1986]	D381.2
<b>Process 6: Rule 219 Exempt Equipment Subject to Source-Specific Requirements</b>					
RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS	E147				H23.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 6: Rule 219 Exempt Equipment Subject to Source-Specific Requirements</b>					
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E148			<b>ROG: (9)</b> [RULE 1171, 6-13-1997; <i>RULE 1171, 10-8-1999</i> ]	H23.2
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E150			<b>ROG: (9) [RULE 1113, 11-8-1996; RULE 1113, 5-14-1999; RULE 1171, 6-13-1997; RULE 1171, 10-8-1999]</b>	K67.4

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**

# FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

## SECTION D: DEVICE ID INDEX

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D5	1	1	1
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D10	8	1	5
D11	9	1	5
D12	9	1	5
D13	10	1	5
D14	10	1	5
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D20	13	1	5
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D25	14	1	5
D26	15	1	5
D27	15	1	5
D28	16	1	5
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D30	17	1	5
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D33	18	1	5
D34	19	1	5
D35	19	1	5
D36	20	1	5
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# FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

## SECTION D: DEVICE ID INDEX

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C44	23	1	7
C45	24	1	7
C46	25	1	8
C47	25	1	9
C48	27	1	11
D58	27	3	1
D59	27	3	1
D60	28	3	1
D61	28	3	1
D62	28	3	1
D63	28	3	1
D64	28	3	1
D65	28	3	1
D66	28	3	1
D67	28	3	1
D68	28	3	1
D69	28	3	1
D74	29	3	2
D75	29	3	2
D76	29	3	2
D77	29	3	2
D78	29	3	2
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D81	29	3	2
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# FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES SECTION D: DEVICE ID INDEX

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D96	31	3	9
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C98	32	4	1
D109	2	1	2
D110	2	1	2
D111	2	1	2
D112	2	1	2
D113	2	1	2
D114	2	1	2
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# FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

## SECTION D: DEVICE ID INDEX

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S141	26	1	9
S142	27	1	11
C143	3	1	2
C144	3	1	2
S145	4	1	2
E147	32	6	0
E148	33	6	0
D149	22	1	7
E150	33	6	0
D151	2	1	2
D152	31	3	10
D153	31	3	10
D154	30	3	6
D155	30	3	6
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C157	26	1	10
S158	26	1	10
C159	26	1	11
C160	26	1	11
D161	27	1	11
C162	27	1	11
C163	27	1	11
D164	27	1	11
C165	1	1	1
S166	1	1	1
C172	1	1	1
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**FACILITY PERMIT TO OPERATE  
EXIDE TECHNOLOGIES  
SECTION D: DEVICE ID INDEX**

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C177	4	1	2
D178	32	3	11
C179	22	1	6
C180	32	3	11
C181	32	3	12
C182	22	1	6
D183	23	1	7

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

#### **FACILITY CONDITIONS**

F52.1 This facility is subject to the applicable requirements of the following rules or regulation(s):

Rule 1420.1

A. The total facility mass lead emissions from all lead point sources shall not exceed 0.045 pounds of lead per hour.

B. The total facility and maximum emission rates shall be determined using the most recent source tests conducted by the facility or the District.

[RULE 1420.1, 11-5-2010]

#### **DEVICE CONDITIONS**

##### **A. Emission Limits**

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 10800 LBS IN ANY 30-DAY PERIOD

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : S139]

A63.2 The operator shall limit emissions from this equipment as follows:

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than 10 Percent opacity

**[40CFR 60 Subpart L, 12-3-1976]**

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36, D119, D128]

#### **B. Material/Fuel Type Limits**

B59.1 The operator shall not use the following material(s) in this device :

With the exception of the specific materials listed in condition no. 163-1, all other types of organic materials including, but not limited to, coal, charcoal, rubber, plastics, paper, rags, oil, grease, or metal contaminated with any of these materials.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 12-7-1990; RULE 407, 4-2-1982]**

[Devices subject to this condition : D119]

B59.2 The operator shall not use the following material(s) in this device :

With the exception of the specific materials listed in condition no. 163-2, all other types of organic materials including, but not limited to, coal, charcoal, rubber, plastics, paper, rags, oil, grease, or metal contaminated with any of these materials.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 12-7-1990; RULE 407, 4-2-1982]**

[Devices subject to this condition : D128]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

B163.1 The operator shall only use feed materials containing the following:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

ACID FILTERS

ACID DUMP/FILL SOLIDS

BAGHOUSE BAGS

BAGHOUSE DUST

CANS (SCRAP DRUMS)

CAST IRON

CHEESECLOTH FROM PASTING ROLLERS

CARBON COKE

COMBUSTION AIR

DROSS

EMISSION CONTROL SLUDGES, FILTER CAKE RESIDUES AND SOLIDS

ENRICHMENT OXYGEN

FILTER CAKE

GRID METAL, POSTS AND SEPARATORS

INDUSTRIAL BATTERY PLATE GROUPS AND TOPS

LEAD BASED PIGMENT

LEAD BEARING MATERIAL

LEAD OXIDE AND LEAD OXIDE RESIDUES

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

LIMEROCK

MILL SCALE

NATURAL GAS

PASTING BELTS

PURCHASED DROSS

PLASTIC AND RUBBER FROM SCRAP BATTERIES

SLURRY AND SLURRY SCREENINGS

SCRAP METAL

SHOP ABRASIVES

SILICA

SLAG

SUMP MUD

SWEEPINGS

WASTEWATER TREATMENT FILTER PRESS CLOTHS

WATER TREATMENT SLUDGES, FILTER CAKES, AND RESIDUES

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D119]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

B163.2 The operator shall only use feed materials containing the following:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

ACID FILTERS

ACID DUMP/FILL SOLIDS

BAGHOUSE BAGS

BAGHOUSE DUST

CANS (SCRAP DRUMS)

CAST IRON

CHEESECLOTH FROM PASTING ROLLERS

CARBON COKE

COMBUSTION AIR

DROSS

EMISSION CONTROL SLUDGES, FILTER CAKE RESIDUES AND SOLIDS

ENRICHMENT OXYGEN

FILTER CAKE

GRID METAL, POSTS AND SEPARATORS

INDUSTRIAL BATTERY PLATE GROUPS AND TOPS

LEAD BASED PIGMENT

LEAD BEARING MATERIAL

LEAD OXIDE AND LEAD OXIDE RESIDUES

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

LIMEROCK

MILL SCALE

NATURAL GAS

PASTING BELTS

PURCHASED DROSS

SLURRY AND SLURRY SCREENINGS

SCRAP METAL

SHOP ABRASIVES

SILICA

SLAG

SUMP MUD

SWEEPINGS

WASTEWATER TREATMENT FILTER PRESS CLOTHS

WATER TREATMENT SLUDGES, FILTER CAKES, AND RESIDUES

[RULE 1401, 12-7-1990; **RULE 407, 4-2-1982**]

[Devices subject to this condition : D128]

B295.1 For the purpose of SOX RECLAIM emission factor, the material shall be defined as the amount of feed material charged to the rotary dryer.

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]**

[Devices subject to this condition : D115]

B295.2 For the purpose of NOX RECLAIM emission factor, the material shall be defined as the amount of sodium nitrate added.

**[RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]**

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36]

B295.3 For the purpose of SOX RECLAIM emission factor, the material shall be defined as the amount of sulfur added.

**[RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]**

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36]

#### **C. Throughput or Operating Parameter Limits**

C1.1 The operator shall limit the operation to no more than 130 tons in any one day.

For the purpose of this condition, operation shall be defined as sodium carbonate received in the storage bin.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D97]

- C1.2 The operator shall limit the material processed to no more than 178.32 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as the total weight of all materials charged to the cupola furnace. This condition shall not apply to baghouse dust generated on-site.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : D128]

- C1.3 The operator shall limit the material processed to no more than 439.2 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as the total weight of all materials charged to the reverberatory furnace. This total weight shall be the same as the total weight of all materials charged to the rotary dryer furnace.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : D119]

- C1.4 The operator shall limit the material processed to no more than 21.5 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as the combined total amount of carbon coke and "additional plastic and rubber" charged to the reverberatory furnace. For the purpose of this condition, "additional plastic and rubber" shall be defined as the amount of plastic and rubber material which is capable of being separated by the raw material preparation system.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 12-7-1990]**

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D119]

- C6.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 1500 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the burner end of the rotary dryer furnace, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 30 degrees Fahrenheit. It shall be calibrated once every 12 months.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D115]

- C6.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 400 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 30 degrees Fahrenheit. It shall be calibrated once every 12 months.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : C144]

- C6.3 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 500 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 10 degrees Fahrenheit. It shall be calibrated once every 12 months.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C40, C41, C45]

- C6.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 150 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 30 degrees Fahrenheit. It shall be calibrated once every 12 months.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : C156, C157]

- C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1736 Deg F.
- A) To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the afterburner serving the cupola, in degrees Fahrenheit.
  - B) The operator shall also install and maintain a device to continuously record the parameter being measured.
  - C) The measuring device or gauge shall be accurate to within plus or minus 52 degrees Fahrenheit. It shall be calibrated once every 12 months.
  - D) The temperature limit in this condition shall not apply during periods of start-up or shut down. During start-up or shutdown, the operator shall comply with condition no. C8.8

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990; RULE 407, 4-2-1982]**

[Devices subject to this condition : C44]

- C8.2 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 280 gpm.
- To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the liquid supply lines to the venturi scrubber and the tray-type scrubber, in gallons per minute.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C42, C43]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

- C8.3 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 7 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH in the recirculation tank serving the scrubber.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C42, C43]

- C8.4 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 110 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the scrubber liquid recirculation line, in gallons per minute.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C165]

- C8.5 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is not less than 20 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the venturi scrubber and the tray-type scrubber, in total inches water column.

This condition shall only apply when this equipment serve the cupola furnace only.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : C42, C43]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

- C8.6 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is not less than 26 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the venturi scrubber and the tray-type scrubber, in total inches water column.

This condition shall only apply when this equipment serve the reverberatory furnace only.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : C42, C43]

- C8.7 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is not less than 36 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the venturi scrubber and the tray-type scrubber, in total inches water column.

This condition shall only apply when this equipment serve the cupola and the reverberatory furnaces simultaneously.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : C42, C43]

- C8.8 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

- A) The temperature limit in this condition shall apply only during periods of start-up or shut down. During normal operation, the operator shall comply with condition no. C8.1
- B) To comply with this condition, the operator shall install and maintain a secondary temperature gauge to accurately indicate the temperature in the afterburner serving the cupola furnace, in degrees Fahrenheit.
- C) For the purpose of this condition, the secondary temperature gauge shall be located at a distance not less than four (4.00) feet downstream of the burner location in the afterburner combustion chamber.
- D) For the purpose of this condition, the secondary temperature gauge may be either a fixed installation, a mechanically retractable installation, and/or a manually retractable installation.
- E) The operator shall also install and maintain a device to continuously record the parameter being measured.
- F) The measuring device or gauge shall be accurate to within plus or minus 42 degrees Fahrenheit. It shall be calibrated once every 12 months.
- G) During startup or shutdown of the cupola furnace, the temperature readings of the secondary gauge described in this condition shall be recorded continuously whenever the primary temperature gauge indicates a temperature of less than 1400 Degrees Fahrenheit.
- H) During cold startup of the cupola furnace, the secondary temperature gauge shall indicate at least 1400 Degrees Fahrenheit prior to the initiation of any combustion activity in the cupola furnace.
- I) During shutdown of the cupola furnace, the secondary temperature gauge shall indicate at least 1400 Degrees Fahrenheit until all combustion activity in the cupola furnace has ceased.

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

J) During periods of breakdown or malfunction, the operator shall comply with the breakdown and notification requirements in Rule 430. In addition, when a breakdown or malfunction of this equipment results in a event which results in non-compliance with the temperature limit in condition nos. C8.1 and C8.8, the operator shall file a Title V deviation report in accordance with the provisions of Rule 3004.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990; RULE 407, 4-2-1982]**

[Devices subject to this condition : C44]

C303.1 The operator shall limit oxygen enrichment percent to between the amount specified by the following equation:  $OE = (OF \times 100) / (OF + AF)$

where:

- OE = oxygen enrichment percent.
- OF = standard cubic feet of gaseous oxygen supplied to a set of burners in any one day.
- AF = standard cubic feet of air supplied to a set of burners in any one day.
- and where the value of OE is limited to the following amount:.
- for the reverberatory furnace, OE = 2.0 to 13.0 percent.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 12-7-1990; RULE 407, 4-2-1982]**

[Devices subject to this condition : D119]

#### **D. Monitoring/Testing Requirements**

D12.1 The operator shall install and maintain a(n) triboelectric-type broken bag detector to accurately indicate the existence of a leak in the cartridge filters.

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

The measuring device or gauge shall be accurate to within the limits defined in the calibration protocol from the manufacturer. It shall be calibrated once every 12 months.

The continuous monitoring system shall include visual and audio alarms.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C38, C39]

- D12.2 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the oxygen gas supply line to this equipment, in total standard cubic feet.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : D119]

- D12.3 The operator shall install and maintain a(n) pressure gauge to accurately indicate the pressure in the oxygen gas supply line to this equipment, in pounds per square inch.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : D119]

- D12.4 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the combustion air supply line to this equipment, in total standard cubic feet.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : D119]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

- D12.5 The operator shall install and maintain a(n) triboelectric-type broken bag detector to accurately indicate the existence of a leak in the baghouse bags.

The measuring device or gauge shall be accurate to within the limits defined in the calibration protocol from the manufacturer. It shall be calibrated once every 12 months.

The continuous monitoring system shall include visual and audio alarms.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1407, 7-8-1994]**

[Devices subject to this condition : C40, C41, C45, C144]

- D12.6 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags, in inches water column.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1407, 7-8-1994]**

[Devices subject to this condition : C40, C41, C45, C46, C47, C48, C144, C156, C157]

- D12.7 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 30 degrees Fahrenheit. It shall be calibrated once every 12 months.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C46, C156, C157]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

- D12.8 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage in the natural gas supply line to this equipment, in standard cubic feet.

**[RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]**

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36, D115, D119]

- D12.10 The operator shall install and maintain a(n) sensor to accurately indicate the existence of a leak in the the baghouse bags.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C46, C47, C48, C156, C157]

- D12.11 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the baghouse inlet or outlet duct, in feet per minute.

**[RULE 1407, 7-8-1994]**

[Devices subject to this condition : C40, C41, C45, C46, C47]

- D12.12 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the scrubber, in inches water column.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C165]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

- D12.14 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the HEPA filter mist eliminator, in inches water column.

The pressure differential across the HEPA filter mist eliminator shall not exceed 3.0 inches water column.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1420, 9-11-1992]**

[Devices subject to this condition : C172]

- D12.16 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the baghouse inlet or outlet duct, in feet per minute.

**[RULE 1407, 7-8-1994]**

[Devices subject to this condition : C156, C157]

- D12.17 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the cartridge filters, in inches water column.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C38, C39]

- D82.1 The operator shall install and maintain a CEMS to measure the following parameters:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

NOX concentration in ppmv

CO concentration in ppmv

The CEMS will convert the actual NOX and CO concentrations to mass emission rates (lbs/hr) and record the hourly emission rates on a continuous basis.

The CEMS shall be installed and maintained to totalize the exhaust gas flow rate, in dry standard cubic feet. The SOx emissions in the common cupola and reverb scrubber stack outlet shall be quantified based on a concentration limit for SOx and total exhaust gas flow rate measured by the NOx CEMS. The SOx concentration limit shall be equal to 3.47 PPMv at actual stack conditions. Concentrations and exhaust gas flow rates shall be based on dry, standard conditions.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2011, 12-7-1995; RULE 2011, 4-9-1999;  
RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]**

[Devices subject to this condition : S139]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

#### **The operator shall comply with the terms and conditions set forth below:**

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]**

[Devices subject to this condition : D1, D2, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, C42, C43, C44, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D97, D109, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121, D122, D123, D124, D125, D126, D127, D128, D129, D130, D131, D132, D133, D135, D136, D137, D138, S139, C143, D151, D152, D153, D154, D155, C159, D161, C162, D164, C165, C172, D173, D183]

- D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C38, C39, C40, C41, C45, C46, C47, C48, S140, S141, S142, C144, S145, C156, C157, S158]

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C98, C160, C163, S166]

#### **E. Equipment Operation/Construction Requirements**

E71.1 The operator shall not use this equipment to process coal, sawdust, rubber, plastics, paper, rags, oil, or grease.

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36]

E71.2 The operator shall only use fire retardant filter media in this equipment during operation.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C38, C39]

E71.3 The operator shall only operate this equipment if a spark suppression system with a spark detector is fully operational and properly maintained in this equipment.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C38, C39]

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1420, 9-11-1992]**

[Devices subject to this condition : C38, C39, C40, C41, C45, C46, C47, C48, C144, C156, C157, C159, C160, C162, C163]

E193.1 The operator shall operate and maintain this equipment according to the following requirements:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

- A. The triboelectric-type broken bag detector shall be maintained in full operation whenever the equipment it serves is in operation
- B. The operator shall operate and maintain the triboelectric-type broken bag detector with a continuous monitoring system consisting of visual and audible alarms.
- C. A printout of the high level alarm log shall be generated from the computer system interfaced with each broken bag detector system each calendar day. This printout shall be saved as a hard copy, or saved in electronic TIFF or PDF format each day. This printout shall display, in graphical form, the analog output signal from the triboelectric sensor.
- D. The detector shall be maintained in accordance with the specifications defined in the operating instructions from the manufacturer. The detector zero point calibration shall be performed not less than once every twelve months in accordance with the procedures specified by the manufacturer, as submitted under Application No. 466858, and/or as amended.
- E. Whenever the manufacturer(s) or current procedure(s) for setting the annual zero point on the triboelectric-type broken bag detectors changes, the operator shall submit a revised set of written procedures to the AQMD and shall make these procedures and associated records available upon request by AQMD personnel.
- F. For the purpose of this condition, a deviation shall be defined as the indication by the triboelectric-type broken bag detector alarm of the existence of a leak in the baghouse bags during the operation of the equipment it serves.
- G. Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.
- H. All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring report shall include the total

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

I. The operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if more than six deviations occur in any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

J. The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

K. The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR 64.9 for a minimum of five years.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; **40CFR 63 Subpart X, 6-23-2003;**  
**40CFR Part 64, 10-22-1997]**

[Devices subject to this condition : C38, C39, C40, C41, C45, C46, C47, C144]

E448.2 The operator shall comply with the following requirements:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

Exide shall install and maintain at least three (3) separate pressure differential monitoring systems inside the Total Containment Building so as to measure the negative pressure differential between the internal building atmosphere and the external atmosphere at all times. Each of these systems shall be operated pursuant to the following requirements:

A. Each building pressure differential monitoring system shall be equipped with a continuous chart recorder.

B. A minimum of one (1) building pressure differential monitoring system shall be installed at each of the following three (3) walls in the Total Containment Building.

1. Leeward wall inside of the Total Containment Building in accordance with 40 CFR 63 Subpart X.

2. The inside wall of the building opposite the leeward wall.

3. An inside wall location defined by the intersection of a perpendicular line between this wall and within plus or minus ten (10) meters of the midpoint of a straight line between the two other monitors described in Subparts (B)(1) and (B)(2) of this condition. For the purpose of this condition, the midpoint monitor shall NOT be located on the same walls as any of the other two monitors described in this condition.

C. The total open area of the RPMS total enclosure building shall not exceed 72.9 square feet, except for: solid doors opened during ingress and egress of personnel, and, the maintenance door opened during transport of equipment used for repairs.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C175, C179]

E448.3 The operator shall comply with the following requirements:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

Exide shall install and maintain at least three (1) pressure differential monitoring system(s) inside the Total Containment Building so as to measure the negative pressure differential between the internal building atmosphere and the external atmosphere at all times. These system(s) shall be operated pursuant to the following requirements:

A. Each building pressure differential monitoring system shall be equipped with a continuous chart recorder.

B. A minimum of one (1) building pressure differential monitoring system shall be installed at the Leeward wall inside of the Total Containment Building in accordance with 40 CFR 63 Subpart X.

C. Building doors shall remain closed except for short periods of time required for ingress and egress of personnel and/or equipment into, and out of, the Total Enclosure Building.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C177, C182]

E448.4 The operator shall comply with the following requirements:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

- 1) The HEPA filters used in this equipment shall be certified by the manufacturer to have a minimum control efficiency of 99.97 percent on 0.3 micron particles.
- 2) Dust collected in this equipment shall only be discharged into containers which shall be maintained closed after the disposal of dust from this equipment.
- 3) After use and/or whenever maintenance is performed on the HEPA vacuum sweeper, this equipment shall only be disassembled, emptied and/or cleaned within a total enclosure building which is vented to air pollution control system(s) which are in full use and which have been issued Permits to Construct and/or Operate by the Executive Officer of the AQMD.
- 4) Visible emissions shall not be discharged from any point on this equipment.
- 5) Identification tag(s) or name plate(s) shall be displayed on this equipment to show manufacturer model no. and serial no. The tag(s) or name plate(s) shall be affixed to this equipment in a permanent and conspicuous location.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C181]

E448.5 The operator shall comply with the following requirements:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

- 1) Exide shall install and maintain the vehicle washing facility on the south side of its premises for the purpose of washing all vehicles leaving the process plant areas. This shall not include vehicles entering by the north entrance and picking up finished lead without entering the process areas.
- 2) Vehicles shall be cleaned by using a wet washing method. A record keeping system (with written documentation) that is acceptable to the District shall be developed for quality control inspections of each vehicle leaving the wash station to assure that the vehicle has been thoroughly washed. Written reports of each inspection shall be prepared and maintained from each shift. No vehicle shall exit the facility without passing inspection.
- 3) The vehicle washing facility shall employ best practices for collecting and disposing of lead contaminated water accumulated during the washing process. Those practices shall include the minimization of the amount of water which is allowed to dry exposed to atmosphere prior to collection for treatment.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : D178]

E448.6 The operator shall comply with the following requirements:

- 1) The spark arrestor system shall be in full operation whenever the rotary dryer baghouse (device C144) is in operation.
- 2) The spark arrestor system shall be tested and calibrated not less than once per year, and more often if necessary, to ensure the system is functioning properly.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : B176]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

E448.7 The operator shall comply with the following requirements:

- A) Sodium nitrate added to the refining pot furnaces of device nos. D24, D26, D28, D30 shall only be charged by means of a screw conveyor feed system.
- B) The operator shall keep a log indicating the total pounds of sodium nitrate charged to each pot furnace with a screw conveyor feed system each day and the corresponding device number of each pot furnace to which sodium nitrate is charged with a screw conveyor feed system.
- C) The operator shall keep a log of the total pounds of sodium nitrate charged to each pot furnace without a screw conveyor feed system each day and the device number of each pot furnace to which sodium nitrate is charged without a screw conveyor feed system.
- D) For the purpose of the RECLAIM NO<sub>x</sub> emission factor from sodium nitrate, a factor of 0.017 LBS/LB shall be used when sodium nitrate charged to a pot furnace is performed only with a screw conveyor feed system.
- E) For the purpose of the RECLAIM NO<sub>x</sub> emission factor from sodium nitrate, a factor of 0.077 LBS/LB shall be used when sodium nitrate charged to a pot furnace is performed without a screw conveyor feed system.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36]

#### **H. Applicable Rules**

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

Contaminant	Rule	Rule/Subpart
Refrigerants	40CFR82, SUBPART	F

**[40CFR 82 Subpart F, 5-14-1993]**

[Devices subject to this condition : E147]

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

**[RULE 1122, 7-11-1997]**

[Devices subject to this condition : E148]

H116.1 The operator shall ensure that the exhaust system conforms to design and operation specifications given in the most current edition of "Industrial Ventilation, Guidelines and Recommended Practices", published by the American Conference of Governmental and Industrial Hygienists (20th edition or thereafter) in order to comply with Rules 1407 and 1420 whenever the equipment vented by this air pollution control system is in operation.

**[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992]**

[Devices subject to this condition : C40, C41, C45, C46, C47, C48, C144, C156, C157, C159, C160]

H116.2 The operator shall be subject to the requirements stated in Rules 1407 and 1420 in order to comply with these rules whenever this equipment is in operation.

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992]

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, D115, D119, D128, C144]

- H116.3 The operator shall ensure that the exhaust system conforms to design and operation specifications given in the most current edition of "Industrial Ventilation, Guidelines and Recommended Practices", published by the American Conference of Governmental and Industrial Hygienists (20th edition or thereafter) in order to comply with Rule 1420 whenever the equipment vented by this air pollution control system is in operation.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C162, C163, C165, C172]

- H116.4 The operator shall ensure that the bag and/or filter leak detection system meets the requirements of 40 CFR Part 63, Subpart X, Sections 63.548 (e) (1) through (e) (8), and shall follow the procedures outlined in the USEPAs Fabric Filter Bag Leak Detection Guidance dated September 1997 or any revisions thereafter in order to comply with the National Emission Standards for Secondary Lead Smelting whenever this equipment is in operation.

**[40CFR 63 Subpart X, 6-23-2003; 40CFR Part 64, 10-22-1997]**

[Devices subject to this condition : C38, C39, C40, C41, C45, C46, C47, C144, C156, C157]

### **K. Record Keeping/Reporting**

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The calendar dates on which calibrations of the triboelectric-type broken filter detector are performed.

A copy of the protocol from the manufacturer used to calibrate the triboelectric-type broken filter detector.

Documentation from the manufacturer certifying that all filter media used in this equipment is fire retardant.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C38, C39]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The calendar dates on which triboelectric-type broken bag detector calibrations are performed.

A copy of the protocol from the manufacturer used to calibrate the triboelectric-type broken bag detector

Records from the baghouse inlet temperature recording device.

The calendar dates on which the baghouse inlet temperature indicating and recording device is calibrated.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1407, 7-8-1994]**

[Devices subject to this condition : C40, C41, C45, C144]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

- K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Records from the baghouse inlet temperature recording device.

The calendar dates on which the baghouse inlet temperature indicating and recording device is calibrated.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1407, 7-8-1994]**

[Devices subject to this condition : C46, C47]

- K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

**[RULE 1113, 5-14-1999; RULE 1171, 6-13-1997; RULE 1171, 10-8-1999]**

[Devices subject to this condition : E150]

- K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

The total amount, in tons, of all materials charged to the cupola furnace each day.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : D128]

K67.7 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

A daily operating log documenting venturi and tray scrubber liquid flow rates, in gallons per minute, and liquid pH, with liquid flow rate entries made at intervals not to exceed 1 hour, and liquid pH entries made at intervals not to exceed 4 hours.

A daily operating log documenting venturi and tray scrubber pressure differentials, in inches water column, with entries made at intervals not to exceed 1 hour.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; 40CFR 63 Subpart X, 6-23-2003]**

[Devices subject to this condition : C42, C43]

K67.8 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Records from the afterburner temperature recording device.

The dates on which calibrations of the afterburner temperature recording devices are performed.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; 40CFR 63 Subpart X, 6-23-2003]**

[Devices subject to this condition : C44]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

K67.9 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Records from the CEMS systems, including the following:

- a. Average O<sub>2</sub> concentration, in volume percent, each 15 minutes.
- b. Average CO concentration, in dry parts per million volume, each 15 minutes.
- c. Average exhaust gas flow rate, in actual cubic feet per minute, each 15 minute period.
- d. Average exhaust gas moisture, in volume percent, each 15 minute period.
- e. Average exhaust gas temperature, in degrees Fahrenheit, each 15 minute period.
- f. Total CO exhaust gas emission rate, in total pounds per each 15 minute period, in total pounds per each day, and in average pounds per day each calendar month.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; 40CFR 63 Subpart X, 6-23-2003]**

[Devices subject to this condition : S139]

K67.10 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The total quantity, in tons each, of total material, total carbon coke, and total additional plastic and rubber charged to the rotary dryer furnace each day.

The total quantity, in standard cubic feet, of natural gas consumed in the rotary dryer furnace each day.

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : D115]

K67.11 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The total quantity, in standard cubic feet, of natural gas consumed in the reverberatory furnace each day.

The total quantity, in standard cubic feet, of enrichment oxygen supplied to the reverberatory furnace each day.

The total quantity, in standard cubic feet, of combustion air, supplied to the reverberatory furnace each day.

The daily average level of oxygen enrichment percent calculated for the reverberatory furnace.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : D119]

K171.3 The operator shall provide to the District the following items:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

The operator shall keep and maintain the following information and provide it upon request of District personnel.

- 1) The information required by condition E448.4 part 5.
- 2) The number of working hours per day involving lead removal.
- 3) The date and time of each HEPA filter replacement.
- 4) A copy of the manufacturer's certification of efficiency for the HEPA filter(s).

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C181]

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
<b>System 1: RAW MATERIAL PREPARATION SYSTEM (RMPS)</b>					
SCRUBBER, PACKED BED, MAPCO, MODEL MW-100-24, WITH 2 FT PACKING, 4 IN THICK MESH PAD, CHEVRON TYPE MIST ELIMINATOR, 100 HP BLOWER, WIDTH: 11 FT 2 IN; HEIGHT: 8 FT 3 IN; LENGTH: 15 FT A/N: 501057 Permit to Construct Issued: 03/30/10	C165	D1 D2 D3 D4 D5 C172 C175		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C8.4, D12.12, D182.1, D323.1, H116.3, K171.2
MIST ELIMINATOR, HEPA, MAPCO, MODEL MW-100-24, WITH 16 HEPA FILTERS, EACH 2 FT W. X 2 FT L. X 11.5 INCHES THICK A/N: 501057 Permit to Construct Issued: 03/30/10	C172	C165 S166		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.14, D182.1, D323.1, H116.3, K171.2
STACK, HEIGHT: 65 FT ; DIAMETER: 3 FT 8 IN A/N: 501057 Permit to Construct Issued: 03/30/10	S166	C172		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	
<b>System 2: FEED DRYING SYSTEM</b>					
BAGHOUSE, WITH 100-H.P. BLOWER, WITH EXPANDED TEFLON MEMBRANE BAGS WITH TEFLON SUBSTRATES, 5881 SQ.FT.; 312 BAGS A/N: 520501 Permit to Construct Issued: 06/24/11	C144	C143 C184		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.2, D12.5, D12.6, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
DUST COLLECTOR, HEPA, WITH 6 PRE-FILTERS EACH 2 FT W. X 2 FT L. X 2 INCHES THICK, WITH 6 HEPA FILTERS EACH 2 FT W. X 2 FT L. X 11.5 INCHES THICK A/N: 520501 Permit to Construct Issued: 06/24/11	C184	C144 S145		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.18, D182.4, D323.1, H116.3, K171.5
STACK, HEIGHT: 120 FT ; DIAMETER: 3 FT A/N: 520501 Permit to Construct Issued: 06/24/11	S145	C184			D182.5, D381.1, K171.5
<b>System 6: FUGITIVE DUST CONTROL SYSTEM</b>					
DUST COLLECTOR, WITH 208 CARTRIDGE FILTERS, EACH 1 FT.-2 IN. DIA. X 2 FT.-2IN. L., NORTH TORIT, MODEL DFT-4-208, WITH A 250 HP BLOWER AND A TRIBOELECTRIC-TYPE BROKEN FILTER DETECTOR A/N: 520575 Permit to Construct Issued: 06/17/11	C38	D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D24 D25 D26 D27 D28 D29 D30 D31 D32 D33 D34 D35 D36 D37 D117 D118 D119 D120 D121 D122 D123 D124 D125 D128 D129 D130 D131 D132 D133 C179 C186 C190		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.1, D12.17, D182.3, D381.1, E71.2, E71.3, E102.1, E193.1, H116.2, H116.4, K67.1, K171.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

**The operator shall comply with the terms and conditions set forth below:**

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
DUST COLLECTOR, HEPA, 4 SECTIONS, WITH 60 PRE-FILTERS TOTAL, EACH 2 FT W. X 2 FT L. X 2 INCHES THICK, WITH 60 HEPA FILTERS TOTAL, EACH 2 FT W. X 2 FT L. X 11.5 INCHES THICK A/N: 520575 Permit to Construct Issued: 06/17/11	C186	C38 S187		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.19, D323.1, E102.1, E448.1, H116.1
STACK, HEIGHT: 120 FT ; DIAMETER: 7 FT A/N: 520575 Permit to Construct Issued: 06/17/11	S187	C186		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D182.5, D381.1, K171.5
DUST COLLECTOR, WITH 208 CARTRIDGE FILTERS, EACH 1 FT.-2 IN. DIA. X 2 FT.-2IN. L., SOUTH TORIT, MODEL DFT-4-208, WITH A 250 HP BLOWER AND A TRIBOELECTRIC-TYPE BROKEN FILTER DETECTOR A/N: 520577 Permit to Construct Issued: 06/17/11	C39	D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D24 D25 D26 D27 D28 D29 D30 D31 D32 D33 D34 D35 D36 D37 D117 D118 D119 D120 D121 D122 D123 D124 D125 D128 D129 D130 D131 D132 D133 C179 C188 C190		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.1, D12.17, D182.3, D381.1, E71.2, E71.3, E102.1, E193.1, H116.2, H116.4, K67.1, K171.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
DUST COLLECTOR, HEPA, 4 SECTIONS, WITH 60 PRE-FILTERS TOTAL, EACH 2 FT W. X 2 FT L. X 2 INCHES THICK, WITH 60 HEPA FILTERS TOTAL, EACH 2 FT W. X 2 FT L. X 11.5 INCHES THICK A/N: 520577 Permit to Construct Issued: 06/17/11	C188	C39 S189		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.19, D323.1, E102.1, E448.1, H116.1
STACK, HEIGHT: 120 FT ; DIAMETER: 7 FT A/N: 520577 Permit to Construct Issued: 06/17/11	S189	C188		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D182.5, D381.1, K171.5
ENCLOSURE, BUILDING, BAGHOUSE AREA, 140 FT W. X 320 FT L. X 79 FT H., APPROXIMATE DIMENSIONS A/N: 520477 Permit to Construct Issued: 06/24/11	C190	C38 C39			E448.8
<b>System 10: REVERB FURNACE FEED ROOM APCS</b>					
BAGHOUSE, NO. 1, WITH 494 BAGS, EACH 4-5/8 INCH DIAMETER X 12 FEET LONG, PTFE MEMBRANE, MAC, MODEL 144MCF494, WITH A 150 HP BLOWER AND A BROKEN BAG DETECTOR, PULSE JET CLEANED A/N: 520478 Permit to Construct Issued: 06/24/11	C156	D7 D9 D11 D13 D15 D17 D19 D24 D26 D28 D30 D32 D34 D36 D109 D110 D111 D112 D113 D151 S158 C175 C182		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.4, D12.6, D12.7, D12.10, D12.16, D182.2, D381.1, E102.1, H116.1, H116.4, K171.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
BAGHOUSE, NO. 2, WITH 494 BAGS, EACH 4-5/8 INCH DIAMETER X 12 FEET LONG, PTFE MEMBRANE, MAC, MODEL 144MCF494, WITH A 150 HP BLOWER AND A BROKEN BAG DETECTOR, PULSE JET CLEANED A/N: 520478 Permit to Construct Issued: 06/24/11	C157	D7 D9 D11 D13 D15 D17 D19 D24 D26 D28 D30 D32 D34 D36 D109 D110 D111 D112 D113 D151 S158 C175 C182		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.4, D12.6, D12.7, D12.10, D12.16, D182.2, D381.1, E102.1, H116.1, H116.4, K171.1
STACK, HEIGHT: 120 FT ; DIAMETER: 6 FT A/N: 520478 Permit to Construct Issued: 06/24/11	S158	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D182.5, D381.1, K171.5
<b>System 11: CUPOLA FURNACE FEED ROOM APCS</b>					
CYCLONE, SPENCER, MODEL CH950CB-MOD, HEIGHT: 7 FT ; DIAMETER: 4 FT 2 IN A/N: 496418 Permit to Construct Issued: 06/24/09	C159	C160 D161		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1, E102.1, H116.3
BAGHOUSE, CENTRAL VACUUM SYSTEM A, SPENCER, MODEL JH9600B8-M, WITH 75 HP BLOWER, 468 SQ.FT. A/N: 496418 Permit to Construct Issued: 06/24/09	C160	C48 C159		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D381.2, E102.1, H116.3
FLOOR SWEEP, 50 TOTAL A/N: 496418 Permit to Construct Issued: 06/24/09	D161	C159		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
CYCLONE, SPENCER, MODEL CH942CB-MOD, HEIGHT: 6 FT ; DIAMETER: 3 FT 6 IN A/N: 496419 Permit to Construct Issued: 06/24/09	C162	C163 D164		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1, E102.1, H116.3
BAGHOUSE, CENTRAL VACUUM SYSTEM B, SPENCER, MODEL JH9600B8-M, WITH 50 HP BLOWER, 468 SQ.FT. A/N: 496419 Permit to Construct Issued: 06/24/09	C163	C48 C162		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D381.2, E102.1, H116.3
FLOOR SWEEP, 48 TOTAL A/N: 496419 Permit to Construct Issued: 06/24/09	D164	C162		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
BAGHOUSE, WITH 300 HP BLOWER, 64000 SQ.FT. A/N: 496418 Permit to Construct Issued: 06/24/09	C48	D126 S142 C160 C163		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.6, D12.10, D381.1, E102.1, H116.3
STACK, HEIGHT: 112 FT ; DIAMETER: 7 FT A/N: 496418 Permit to Construct Issued: 06/24/09	S142	C48		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D381.1
<b>Process 3: WASTE HANDLING</b>					
<b>System 12: PORTABLE VACUUM SWEEPING SYSTEM</b>					
FLOOR SWEEP, HEPA VACUUM, LEAD ABATEMENT, NILFISK, MODEL GWD220, CANNISTER TYPE, 20 GALLON CAPACITY, 220 CFM RATED A/N: 517319 Permit to Construct Issued: 05/18/11	C185			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	E448.4, K171.3

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

# **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

## **SECTION H: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
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C39	3	1	6
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S145	2	1	2
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D161	5	1	11
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C184	2	1	2
C185	6	3	12
C186	3	1	6
S187	3	1	6
C188	4	1	6
S189	4	1	6
C190	4	1	6

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

#### **FACILITY CONDITIONS**

F52.1 This facility is subject to the applicable requirements of the following rules or regulation(s):

Rule 1420.1

A. The total facility mass lead emissions from all lead point sources shall not exceed 0.045 pounds of lead per hour.

B. The total facility and maximum emission rates shall be determined using the most recent source tests conducted by the facility or the District.

[RULE 1420.1, 11-5-2010]

#### **DEVICE CONDITIONS**

##### **C. Throughput or Operating Parameter Limits**

C6.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 400 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 30 degrees Fahrenheit. It shall be calibrated once every 12 months.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C144]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

- C6.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 150 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 30 degrees Fahrenheit. It shall be calibrated once every 12 months.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C156, C157]

- C8.4 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 110 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the scrubber liquid recirculation line, in gallons per minute.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C165]

#### **D. Monitoring/Testing Requirements**

- D12.1 The operator shall install and maintain a(n) triboelectric-type broken bag detector to accurately indicate the existence of a leak in the cartridge filters.

The measuring device or gauge shall be accurate to within the limits defined in the calibration protocol from the manufacturer. It shall be calibrated once every 12 months.

The continuous monitoring system shall include visual and audio alarms.

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C38, C39]

- D12.5 The operator shall install and maintain a(n) triboelectric-type broken bag detector to accurately indicate the existence of a leak in the baghouse bags.

The measuring device or gauge shall be accurate to within the limits defined in the calibration protocol from the manufacturer. It shall be calibrated once every 12 months.

The continuous monitoring system shall include visual and audio alarms.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1407, 7-8-1994]**

[Devices subject to this condition : C144]

- D12.6 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags, in inches water column.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1407, 7-8-1994]**

[Devices subject to this condition : C48, C144, C156, C157]

- D12.7 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 30 degrees Fahrenheit. It shall be calibrated once every 12 months.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C156, C157]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

- D12.10 The operator shall install and maintain a(n) sensor to accurately indicate the existence of a leak in the the baghouse bags.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C48, C156, C157]

- D12.12 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the scrubber, in inches water column.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C165]

- D12.14 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the HEPA filter mist eliminator, in inches water column.

The pressure differential across the HEPA filter mist eliminator shall not exceed 3.0 inches water column.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1420, 9-11-1992]**

[Devices subject to this condition : C172]

- D12.16 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the baghouse inlet or outlet duct, in feet per minute.

**[RULE 1407, 7-8-1994]**

[Devices subject to this condition : C156, C157]

- D12.17 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the cartridge filters, in inches water column.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C38, C39]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

- D12.18 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the HEPA filter dust collector, in inches water column.

The pressure differential across the HEPA filter dust collector shall not exceed 3.0 inches water column.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1420, 9-11-1992]**

[Devices subject to this condition : C184]

- D12.19 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the the HEPA filter dust collector, in inches water column.

The pressure differential across the HEPA filter dust collector shall not exceed 4.0 inches water column.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1420, 9-11-1992]**

[Devices subject to this condition : C186, C188]

- D182.1 The operator shall test this equipment in accordance with the following specifications:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

A) The test(s) shall be conducted and a written report submitted to the AQMD not later than 180 days of the construction of the enclosure of the RPMS building and installation of the exhaust system including the 100-H.P. exhaust blower and associated ductwork.

B) The test(s) shall measure the emissions of lead at the inlet of the scrubber and the outlet of the HEPA filters. Triplicate source tests shall be conducted simultaneously on the inlet and outlet in accordance with the requirements set forth by Rule 1420 (e)(2).

C) Triplicate source tests shall be conducted for exhaust gas lead concentration in the HEPA filter exhaust outlet, pursuant to 40CFR 63 Subpart X. The outlet tests in part B of this condition may be used to fulfill this requirement if equivalency in testing methods can be demonstrated to satisfy the requirements of both rules.

D) The tests shall be conducted while the Raw Material Preparation System is operated under normal operating conditions.

E) The source tests shall be performed by a qualified testing laboratory and conducted in accordance with acceptable district procedures.

F) The Rule 1420 source tests shall be conducted by a qualified testing contractor approved for Rule 1420 testing.

G) Written notice shall be provided to the AQMD at least 10 days prior to testing so that an AQMD observer may be present during the tests, if the AQMD decides to have an observer present.

H) Sampling facilities shall comply with the District "guidelines for the construction of sampling and testing facilities", pursuant to rule 217.

I) Written results shall be submitted to the AQMD within 60 days after testing.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C165, C172]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

D182.2 The operator shall test this equipment in accordance with the following specifications:

- A) The test(s) shall be conducted and a written report submitted to the AQMD not later than 180 days of initial installation of the PTFE Membrane filter bags.
- B) The test(s) shall measure the emissions of lead at the common inlet and outlet of the baghouses. Triplicate source tests shall be conducted simultaneously on the common inlet and outlet of the baghouses in accordance with the requirements set forth by Rule 1420 (e)(2).
- C) Triplicate source tests shall be conducted for exhaust gas lead concentration in the common baghouse outlet, pursuant to 40CFR 63 Subpart X. The outlet tests in part B of this condition may be used to fulfill this requirement if equivalency in testing methods can be demonstrated to satisfy the requirements of both rules.
- D) The tests shall be conducted while the reverberatory and cupola furnaces are operated under normal operating conditions.
- E) The source tests shall be performed by a qualified testing laboratory, conducted in accordance with acceptable district procedures and monitored by a district representative.
- F) The rule 1420 source tests shall be conducted by a qualified testing contractor approved for rule 1420 testing.
- G) Written notice shall be provided to the AQMD at least 10 days prior to testing so that an AQMD observer may be present during the tests.
- H) Sampling facilities shall comply with the attached district "guidelines for the construction of sampling and testing facilities", pursuant to rule 217.
- I) Written results shall be submitted to the AQMD within 60 days after testing.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; **40CFR 63 Subpart X, 6-23-2003**]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : C156, C157]

D182.3 The operator shall test this equipment in accordance with the following specifications:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

- A) The test(s) shall be conducted and a written report submitted to the AQMD not later than 180 days of initial installation of the new HEPA dust collectors.
- B) The test(s) shall measure the emissions of lead at the inlet of the cartridge filter dust collector and the outlet of the HEPA filter dust collector. Triplicate source tests shall be conducted simultaneously on the inlet and outlet of the dust collectors in accordance with the requirements set forth by rule 1420 (e)(2) and 1420.1 (k).
- C) Triplicate source tests shall be conducted for exhaust gas lead concentration in the HEPA dust collector outlet, pursuant to 40CFR 63 Subpart X. The outlet tests in part B of this condition may be used to fulfill this requirement if equivalency in testing methods can be demonstrated to satisfy the requirements of all applicable rules.
- D) The tests shall be conducted while the reverberatory, cupola, and lead refining pot furnaces are operated under normal operating conditions.
- E) The source tests shall be performed by a qualified testing laboratory, conducted in accordance with acceptable district procedures and monitored by a district representative.
- F) The rule 1420 source tests shall be conducted by a qualified testing contractor approved for rule 1420 testing.
- G) Written notice shall be provided to the AQMD at least 10 days prior to testing so that an AQMD observer may be present during the tests.
- H) Sampling facilities shall comply with the attached district guidelines for the construction of sampling and testing facilities, pursuant to rule 217.
- I) Written results shall be submitted to the AQMD within 60 days after testing.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; **40CFR 63 Subpart X, 6-23-2003**]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : C38, C39]

D182.4 The operator shall test this equipment in accordance with the following specifications:

- A) The test(s) shall be conducted and a written report submitted to the AQMD not later than 180 days of the construction of the enclosure of the HEPA filter dust collector.
- B) The test(s) shall measure the emissions of lead at the outlet of the HEPA filter dust collector. Triplicate source tests shall be conducted in accordance with the requirements set forth by Rule 1420.1 (k).
- C) Triplicate source tests shall be conducted for exhaust gas lead concentration in the HEPA filter exhaust outlet, pursuant to 40CFR 63 Subpart X. The outlet tests in part B of this condition may be used to fulfill this requirement if equivalency in testing methods can be demonstrated to satisfy the requirements of both rules.
- D) The tests shall be conducted while the Rotary Dryer Furnace is operated under normal operating conditions.
- E) The source tests shall be performed by a qualified testing laboratory and conducted in accordance with acceptable district procedures.
- F) The Rule 1420.1 source tests shall be conducted by a qualified testing contractor approved for Rule 1420.1 testing.
- G) Written notice shall be provided to the AQMD at least 10 days prior to testing so that an AQMD observer may be present during the tests, if the AQMD decides to have an observer present.
- H) Sampling facilities shall comply with the District "guidelines for the construction of sampling and testing facilities", pursuant to rule 217.
- I) Written results shall be submitted to the AQMD within 60 days after testing.

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

[RULE 1420.1, 11-5-2010]

[Devices subject to this condition : C184]

D182.5 The operator shall test this equipment in accordance with the following specifications:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

A. The owner or operator shall conduct a source test of all stack outlets serving air pollution control systems controlling sources of lead emissions at least annually to demonstrate compliance with the control standards specified in Rule 1420.1 (f), and with the source test requirements in Rule 1420.1 (k).

B. If the results of the most recent source test for a lead point source demonstrating compliance with the lead emission standard of Rule 1420.1 (f) demonstrate emissions of 0.0025 pounds of lead per hour or less, the next test for that lead point source shall be performed no later than 24 months after the date of the most recent test.

C. The source tests shall measure the emissions of total lead discharged to the atmosphere and shall be performed in triplicate for each stack outlet.

D. The average of triplicate samples, obtained according to approved test methods specified in this condition, shall be used to determine compliance with Rule 1420.1.

E. Source tests shall be conducted while operating at a minimum of 80% of equipment maximum capacity and in accordance with any of the following applicable test methods:

(1) SCAQMD Method 12.1 - Determination of Inorganic Lead Emissions from Stationary Sources Using a Wet Impingement Train.

(2) ARB Method 12 - Determination of Inorganic Lead Emissions from Stationary Sources.

(3) EPA Method 12 - Determination of Inorganic Lead Emissions from Stationary Sources.

(4) ARB Method 436 - Determination of Multiple Metal Emissions from Stationary Sources.

F. The maximum emission rate for any single stack shall not exceed 0.010 pounds of lead per hour.

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

G. The total facility and maximum emission rates shall be determined using the most recent source tests conducted by the facility or the District.

[RULE 1420.1, 11-5-2010]

[Devices subject to this condition : S145, S158, S187, S189]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

#### **The operator shall comply with the terms and conditions set forth below:**

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

**[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]**

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : C159, D161, C162, D164, C165, C172, C184, C186, C188]

- D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C38, C39, C48, S142, C144, S145, C156, C157, S158, S187, S189]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C160, C163]

#### **E. Equipment Operation/Construction Requirements**

E71.2 The operator shall only use fire retardant filter media in this equipment during operation.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C38, C39]

E71.3 The operator shall only operate this equipment if a spark suppression system with a spark detector is fully operational and properly maintained in this equipment.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : C38, C39]

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1420, 9-11-1992]**

[Devices subject to this condition : C38, C39, C48, C144, C156, C157, C159, C160, C162, C163, C186, C188]

E193.1 The operator shall operate and maintain this equipment according to the following requirements:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

- A. The triboelectric-type broken bag detector shall be maintained in full operation whenever the equipment it serves is in operation
- B. The operator shall operate and maintain the triboelectric-type broken bag detector with a continuous monitoring system consisting of visual and audible alarms.
- C. A printout of the high level alarm log shall be generated from the computer system interfaced with each broken bag detector system each calendar day. This printout shall be saved as a hard copy, or saved in electronic TIFF or PDF format each day. This printout shall display, in graphical form, the analog output signal from the triboelectric sensor.
- D. The detector shall be maintained in accordance with the specifications defined in the operating instructions from the manufacturer. The detector zero point calibration shall be performed not less than once every twelve months in accordance with the procedures specified by the manufacturer, as submitted under Application No. 466858, and/or as amended.
- E. Whenever the manufacturer(s) or current procedure(s) for setting the annual zero point on the triboelectric-type broken bag detectors changes, the operator shall submit a revised set of written procedures to the AQMD and shall make these procedures and associated records available upon request by AQMD personnel.
- F. For the purpose of this condition, a deviation shall be defined as the indication by the triboelectric-type broken bag detector alarm of the existence of a leak in the baghouse bags during the operation of the equipment it serves.
- G. Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.
- H. All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

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**The operator shall comply with the terms and conditions set forth below:**

in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

I. The operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if more than six deviations occur in any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

J. The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

K. The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR 64.9 for a minimum of five years.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; **40CFR 63 Subpart X, 6-23-2003;**  
**40CFR Part 64, 10-22-1997]**

[Devices subject to this condition : C38, C39, C144]

E448.1 The operator shall comply with the following requirements:

A. The HEPA filters used in this equipment shall be certified, in writing, by the manufacturer to have a minimum control efficiency of 99.97 percent on 0.3 micron particles.

B. Copies of the HEPA filter certifications shall be kept and maintained on file for a minimum of 5 years and shall be provided to District personnel upon request.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; **40CFR 63 Subpart X, 6-23-2003]**

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : C186, C188]

E448.4 The operator shall comply with the following requirements:

- 1) The HEPA filters used in this equipment shall be certified by the manufacturer to have a minimum control efficiency of 99.97 percent on 0.3 micron particles.
- 2) Dust collected in this equipment shall only be discharged into containers which shall be maintained closed after the disposal of dust from this equipment.
- 3) After use and/or whenever maintenance is performed on the HEPA vacuum sweeper, this equipment shall only be disassembled, emptied and/or cleaned within a total enclosure building which is vented to air pollution control system(s) which are in full use and which have been issued Permits to Construct and/or Operate by the Executive Officer of the AQMD.
- 4) Visible emissions shall not be discharged from any point on this equipment.
- 5) Identification tag(s) or name plate(s) shall be displayed on this equipment to show manufacturer model no. and serial no. The tag(s) or name plate(s) shall be affixed to this equipment in a permanent and conspicuous location.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C185]

E448.8 The operator shall comply with the following requirements:

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### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

Exide shall install and maintain at least three (3) separate pressure differential monitoring systems inside the Total Containment Building so as to measure the negative pressure differential between the internal building atmosphere and the external atmosphere at all times. Each of these systems shall be operated pursuant to the following requirements:

A. Each building pressure differential monitoring system shall be equipped with a continuous chart recorder.

B. A minimum of one (1) building pressure differential monitoring system shall be installed at each of the following three (3) walls in the Baghouse Area Total Enclosure Building, pursuant to the requirements in Rule 1420.1 (e)(4):

1. Leeward wall inside of the total enclosure building.

2. The inside wall of the building opposite the leeward wall.

3. An inside wall location defined by the intersection of a perpendicular line between this wall and within plus or minus ten (10) meters of the midpoint of a straight line between the two other monitors described in Subparts (B)(1) and (B)(2) of this condition. For the purpose of this condition, the midpoint monitor shall NOT be located on the same walls as any of the other two monitors described in this condition.

C. For the purpose of this condition, the differential pressure monitor probes shall be installed at locations on the walls of the Baghouse Area Total Enclosure Building which are higher than the roof lines of the attached adjacent buildings so as to measure the true pressure differentials between the air inside the Baghouse Area Total Enclosure Building and the outside atmosphere.

D. Ventilation of the total enclosure at any opening including, but not limited to, vents, windows, passages, doorways, bay doors, and roll-ups shall continuously be maintained at a negative pressure of at least 0.02 mm of Hg (0.011 inches water column).

E. Each differential pressure monitoring system shall be equipped with a backup,

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

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**The operator shall comply with the terms and conditions set forth below:**

uninterruptible power supply to ensure continuous operation of the monitoring system during a power outage.

[RULE 1420.1, 11-5-2010]

[Devices subject to this condition : C190]

#### **H. Applicable Rules**

- H116.1 The operator shall ensure that the exhaust system conforms to design and operation specifications given in the most current edition of "Industrial Ventilation, Guidelines and Recommended Practices", published by the American Conference of Governmental and Industrial Hygienists (20th edition or thereafter) in order to comply with Rules 1407 and 1420 whenever the equipment vented by this air pollution control system is in operation.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992]

[Devices subject to this condition : C144, C156, C157, C186, C188]

- H116.2 The operator shall be subject to the requirements stated in Rules 1407 and 1420 in order to comply with these rules whenever this equipment is in operation.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992]

[Devices subject to this condition : C38, C39, C144]

- H116.3 The operator shall ensure that the exhaust system conforms to design and operation specifications given in the most current edition of "Industrial Ventilation, Guidelines and Recommended Practices", published by the American Conference of Governmental and Industrial Hygienists (20th edition or thereafter) in order to comply with Rule 1420 whenever the equipment vented by this air pollution control system is in operation.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C48, C159, C160, C162, C163, C165, C172, C184]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

H116.4 The operator shall ensure that the bag and/or filter leak detection system meets the requirements of 40 CFR Part 63, Subpart X, Sections 63.548 (e) (1) through (e) (8), and shall follow the procedures outlined in the USEPAs Fabric Filter Bag Leak Detection Guidance dated September 1997 or any revisions thereafter in order to comply with the National Emission Standards for Secondary Lead Smelting whenever this equipment is in operation.

**[40CFR 63 Subpart X, 6-23-2003; 40CFR Part 64, 10-22-1997]**

[Devices subject to this condition : C38, C39, C144, C156, C157]

#### **K. Record Keeping/Reporting**

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The calendar dates on which calibrations of the triboelectric-type broken filter detector are performed.

A copy of the protocol from the manufacturer used to calibrate the triboelectric-type broken filter detector.

Documentation from the manufacturer certifying that all filter media used in this equipment is fire retardant.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C38, C39]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

The calendar dates on which triboelectric-type broken bag detector calibrations are performed.

A copy of the protocol from the manufacturer used to calibrate the triboelectric-type broken bag detector

Records from the baghouse inlet temperature recording device.

The calendar dates on which the baghouse inlet temperature indicating and recording device is calibrated.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1407, 7-8-1994]**

[Devices subject to this condition : C144]

K171.1 The operator shall provide to the District the following items:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

A) Two (2) copies of the test plan shall be submitted to the refinery and waste management permitting unit, engineering and compliance, not less than 60 calendar days prior to the initial test date and shall be approved by the district before the tests commence. The plan shall include the proposed operating conditions of the equipment during each test run.

B) The total amount, in tons, of all materials charged to the reverberatory and cupola furnaces during each test run shall be recorded. The measuring period for determining the process weight of throughputs shall include the period during which the test run occurred. This requirement shall apply to each test run.

C) A test plan shall be submitted for district approval, and it shall include the following:

1. The identity of the testing laboratory.
2. A statement from the testing laboratory certifying it meets the criteria in District Rule 304 (k).
3. A list of contaminants to be tested.
4. Testing procedures for each contaminant and a description of all sampling and analytical procedures to be used.
5. Location of points of sampling.
6. Quality assurance measures.
7. Experience in testing procedures.
8. Date(s) and time(s) of commencement of the test(s).

D) With respect to the devices listed in this condition, the source tests shall be completed and a final report submitted to the AQMD not later than 180 days of initial installation of the new HEPA filters (device nos. C186 and C188), and/or, the installation of the PTFE membrane filter bags (device nos. C156 and C157),

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

respectively.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; **40CFR 63 Subpart X, 6-23-2003**]

[Devices subject to this condition : C38, C39, C156, C157]

K171.2 The operator shall provide to the District the following items:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

A) Two (2) copies of the test plan shall be submitted to the Refinery and Waste Management Permitting Unit, Engineering and Compliance, not less than 60 calendar days prior to the initial test date and shall be approved by the District before the tests commence. The plan shall include the proposed operating conditions of the equipment during each test run.

B) The total amount, in tons, of all materials charged to the battery crusher during each test run shall be recorded. The measuring period for determining the process weight of throughputs shall include the period during which the test run occurred. This requirement shall apply to each test run.

C) A test plan shall be submitted for District approval, and it shall include the following:

1. The identity of the testing laboratory.
2. A statement from the testing laboratory certifying it meets the criteria in District Rule 304 (k).
3. A list of contaminants to be tested.
4. Testing procedures for each contaminant and a description of all sampling and analytical procedures to be used.
5. Location of points of sampling.
6. Quality assurance measures.
7. Experience in testing procedures.
8. Date(s) and time(s) of commencement of the test(s).

D) The source tests shall be completed, and a final report submitted to the District, not later than 180 days after the installation of the new 100-H.P. exhaust blower is completed.

[RULE 1420, 9-11-1992]

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : C165, C172]

K171.3 The operator shall provide to the District the following items:

The operator shall keep and maintain the following information and provide it upon request of District personnel.

- 1) The information required by condition E448.4 part 5.
- 2) The number of working hours per day involving lead removal.
- 3) The date and time of each HEPA filter replacement.
- 4) A copy of the manufacturer's certification of efficiency for the HEPA filter(s).

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C185]

K171.5 The operator shall provide to the District the following items:

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

- A) Two (2) copies of the test plan shall be submitted to the Refinery and Waste Management Permitting Unit, Engineering and Compliance, not less than 60 calendar days prior to the initial test date and shall be approved by the District before the tests commence. The plan shall include the proposed operating conditions of the equipment during each test run.
- B) The test plan copies shall be submitted electronically in Adobe pdf file format on digital compact disc, or by email attachment, to the current permit processing engineer assigned to this facility at the time of the source test.
- C) The total amount, in tons, of all materials charged to the rotary dryer furnace, the cupola furnace, the refining pot furnaces, and the RMPS battery crusher during each test run shall be recorded. The measuring period for determining the process weight of throughputs shall include the period during which the test run occurred. This requirement shall apply to each test run.
- D) The test plan shall be submitted for District approval, and it shall include the following:
  - 1. The identity of the testing laboratory.
  - 2. A statement from the testing laboratory certifying it meets the criteria in District Rule 304 (k).
  - 3. A list of contaminants to be tested.
  - 4. Testing procedures for each contaminant and a description of all sampling and analytical procedures to be used.
  - 5. Location of points of sampling.
  - 6. Quality assurance measures.
  - 7. Experience in testing procedures.
  - 8. Date(s) and time(s) of commencement of the test(s).

## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below:**

E) Upon completion of the source tests, a final report shall be submitted to the District not later than 60 days after the source test is completed. The test report shall be submitted electronically in Adobe pdf file format on digital compact disc or by email attachment to the current permit processing engineer assigned to this facility at the time of the source test.

[RULE 1420.1, 11-5-2010]

[Devices subject to this condition : S145, S158, C184, S187, S189]